

AXIS Camera Station Quick Installation Guide

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Regulatory Information

About This Document

This manual is intended for administrators and operators of AXIS Camera Station and is applicable for software version 1.0.

Later versions of the document will be posted to the Axis Web site, as required. Previous experience of networking will be of use to the reader when installing and using this product.

Legal Considerations

Camera surveillance may be prohibited by laws that vary from country to country. Check the laws in your local region before using AXIS Camera Station for surveillance purposes.

Liability

Every care has been taken in the preparation of this manual. Please inform your local Axis office of any inaccuracies or omissions. Axis Communications AB cannot be held responsible for any technical or typographical errors and reserves the right to make changes to the product and manuals without prior notice. Axis Communications AB makes no warranty of any kind with regard to the material contained within this document, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Axis Communications AB shall not be liable nor responsible for incidental or consequential damages in connection with the furnishing, performance or use of this material.

Trademark Acknowledgments

Internet Explorer, Microsoft, Windows, .NET are registered trademarks.

Axis Support Services

Should you require any technical assistance, please contact your Axis reseller. If your questions cannot be answered immediately, your reseller will forward your queries through the appropriate channels to ensure a rapid response.

If you are connected to the Internet, you can:

- Download user documentation and firmware updates.
- Find answers to resolved problems in the FAQ database. Search by product, category, or phrases.
- Report problems to Axis support staff by logging in to your private support area.

Visit the Axis Support Web: www.axis.com/techsup

AXIS Camera Station – Minimum Hardware Requirements

- Pentium 4, 1 GHz processor
- 256 MB RAM
- Hard disk: 1 GB for installation and 2 GB or higher per camera as image database
- NTFS file system
- CD-drive
- XGA (1024 x 768) or higher resolution monitor
- Graphic card with 32MB or more memory
- Microsoft mouse or compatible pointing device
- 100 Mbit Ethernet
- Microsoft Windows XP Professional, Windows Server 2003 or Windows 2000 with SP4.
- Microsoft Internet Explorer Version 6.0 or later.
- Internet Information Server (IIS) installed on the C-drive of your server if you intend to use the web interface.
- Microsoft .NET 1.1 Runtime environment running (with AXIS Camera Station software)

Overview

This document will help you install AXIS Camera Station and configure it for your Axis Network Cameras and Axis Video Servers. A brief introduction to the functionality of the software is covered here, see the online Help or the AXIS Camera Station User's Manual for a detailed description. The User's Manual is available on the CD and on www.axis.com

AXIS Camera Station is a complete monitoring and recording system for use with Axis Network Cameras and Video Servers.

The application's main window provides quick and easy access to all connected and configured cameras, to all recordings and to inputs and outputs used in the system. AXIS Camera Station runs as a background service in Windows.

Administration

The Administration section of the application allows complete control and configuration of all aspects of the system. The Administration section is opened from the File menu in AXIS Camera Station.

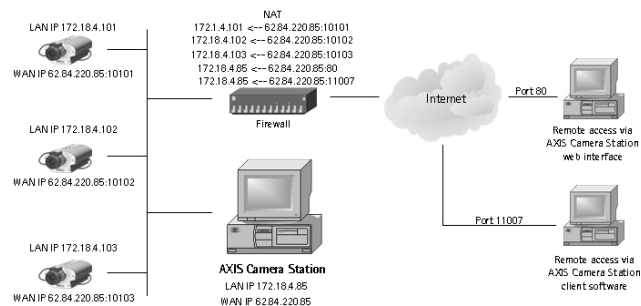
Remote clients

For remote clients you can use "*AXIS Camera Station Client software*" described on page 17 or "*AXIS Camera Station Web application*" described on page 19.

Network Configuration

To access AXIS Camera Station from the Internet and get live images from the cameras you must open a set of IP addresses and port numbers in you firewall configuration.

Basically there must be a port open for each Axis camera/video server and one port for AXIS Camera Station.

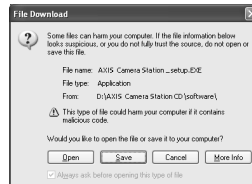


See the User's Manual for details, available on the CD and on www.axis.com

Install AXIS Camera Station Software

Install AXIS Camera Station on the PC from which you wish to run the main administration of your cameras and video servers, e.g. on a server PC.

1. Insert the CD in the CD drive. If the installation CD does not auto-start, click Start.exe in the CD's root folder.
2. From the CD's interface, click **Software** and then **AXIS Camera Station**



3. Click **Open** to launch the installation.

You may be prompted to install **.NET Framework 1.1**. Simply follow the installation Wizard's instructions and click your way through.

Note:

You may be prompted and then automatically redirected to <http://windowsupdate.microsoft.com> to locate and install these missing Windows components:

- Windows 2000 Service Pack 4, located here:
<http://www.microsoft.com/windows2000/downloads/servicepacks/>
- Windows Internet Explorer 6, located here:
<http://www.microsoft.com/windows/ie>

Install the missing components, see your Windows documentation for instructions. When this is done, reboot your computer and then restart the AXIS Camera Station installation by clicking **AXIS Camera Station setup.exe** on the CD.

4. Next, you will be asked where you wish to install the program. If nothing is specified the program is normally installed in **C:\Program Files\Axis Communications\AXIS Camera Station**.

5. Click your way through the Installation Wizard. When you are finished, open AXIS Camera Station from **Start | Program Files** or click the program icon on your desktop:

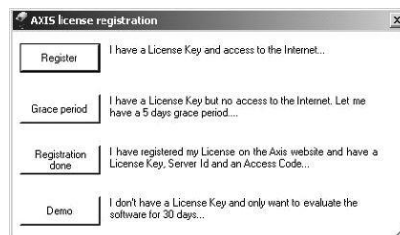


Before starting the AXIS Camera Station, the hard disks where you save images must be **NTFS formatted**. See the User's Manual for details. The AXIS Camera Station User's Manual is available on the CD and on www.axis.com

Activate the software with your License Key

Registering with a direct Internet connection

1. The first time you start the program you will be asked to register your license. Click **Register**.



2. Fill in the requested information, you will find your License Key on the AXIS Camera Station CD label. Click **Add full version license**.

AXIS license registration

Software Activation

Complete the information on this page to activate your application. Please enter the information below to activate your application.

Activation information

License Code:

Personal information

Email:

First name:

Last name:

Job title:

Company information

Company:

Street address:

ZIP / Postal code: City:

State: Country:

Phone:

Fax:

Company website:

Business information

Is your company a headquarter? ☐ Yes ☐ No

Industry type:

How large is your company?

Please enter the number of video sources (cameras + video servers) currently installed:

Please briefly indicate how the application will be used (select all that apply):

☐ Remote monitoring

☐ Security/Surveillance

☐ Recording

☐ Other, please specify:

☒ I hereby indicate that I am open to participating in market-related surveys, campaigns and other similar activities.

☒ I hereby indicate that I want to receive application specific information, such as upgrades.

Add full version license

Enter License Key
(found on CD label)

The entered characters
are case-sensitive!

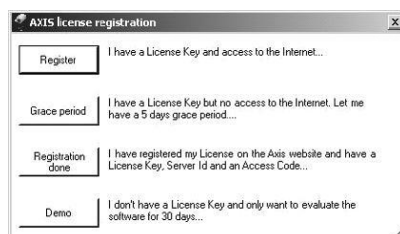
3. Your license information will be sent to Axis Communications and your software will be activated automatically.
4. You can now start using AXIS Camera Station.

Registering without a direct Internet connection

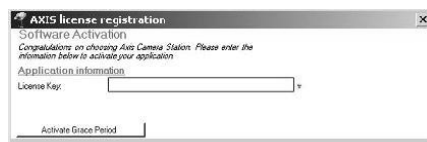
If you do not have immediate Internet access, you can choose a 5-day grace period, where you will have a complete functional program for 5 days

Another option is to install AXIS Camera Station as a 30-day demo version.

1. Click **Grace Period**.



2. Enter your **License Key** (found on AXIS Camera Station CD label) and click **Activate Grace Period**.



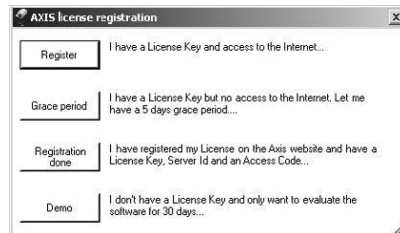
The entered characters are case-sensitive!

3. You will see your **Server ID** (a code containing information about your PC). Make a note of it.



4. You can now use AXIS Camera Station for 5 days.
5. To obtain information to complete the installation, go to <http://www.axis.com/techsup/acs> from a web browser.
6. Fill in the requested information and click **Submit**.

7. You will receive an **Access code**, make a note of it.
8. Start the program, select **Registration done**.



9. Enter your **License Key**, your **Server ID** and your **Access Code** and click **Add full version license**.



10. You can now start using AXIS Camera Station.

Configure AXIS Camera Station

After installing the software, it must be configured for your cameras and video servers. All camera/video server configuration is done from the **Administration** pages.

1. From the AXIS Camera Station, click **File | Administration**:

File | Administration



Note:

The **Administration** pages contain all configuration settings. Only a few of the most essential settings are covered in this guide. See the online Help or User's Manual for a full description.

2. From the **Cameras** tab, fill in this information:

2.1 Select camera

2.2 Camera enabled checkbox must be checked!

2.3 Name the camera

2.4 Specify the correct camera or video server type!

2.5 For video servers, specify video port number in Camera Port number field.

2.6 Enter camera's Local IP address (LAN) or Internet address (WAN) (or host name)

2.7 Enter camera's User and password default user = root default pass = pass

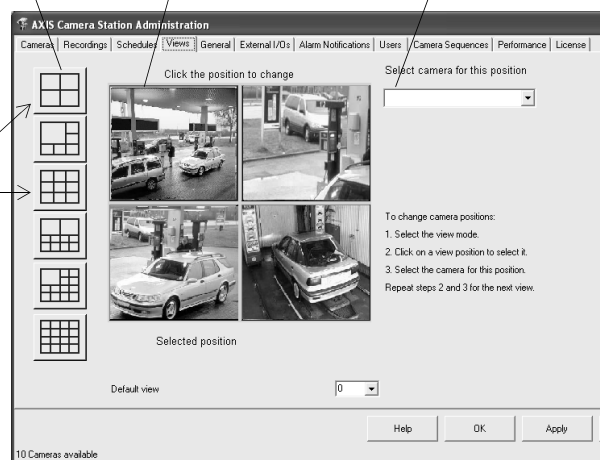
2.8 Check connection to camera by clicking Link to camera.

- It is very important that you specify the correct Axis camera/video server model!
- In the **Camera Type** field, specify the connected Axis video server if using an analog CCTV camera
- The WAN IP address is where AXIS Camera Station fetches live images. This may be the same as your LAN IP address, but depends on your network/Firewall/NAT. The WAN must be specified if a client or web interface client is run from another network than AXIS Camera Station. If no WAN address is available, enter the LAN address.

3. Next, under **Views**, define the camera views as seen from the main AXIS Camera Station user interface.

- 3.1 Select view according to the number of cameras you want to configure.
- 3.2 Select camera position
- 3.3 Select camera

Example:
To configure 4 cameras, select
To configure 8 cameras, select



- 3.4 Repeat steps 2 and 3 for all cameras.

- 3.5 Click **OK** to save and exit.

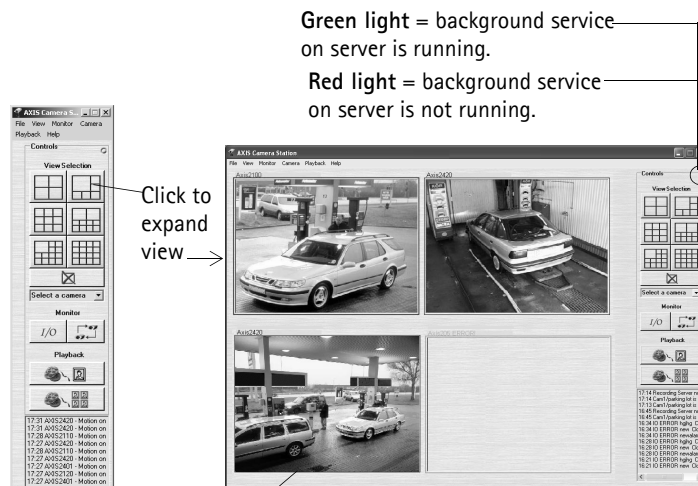
You have now performed the minimum required setup in the Administration pages. For instructions on configuring recordings, alarms, motion detection, scheduling, etc., see the User's Manual.

4. From the **AXIS Camera Station** interface and select a camera view by clicking one of the **View Selection** buttons:



5. The camera will now appear in the Main window, where live images from the cameras are shown.

AXIS Camera Station User Interface



The frames surrounding the images are color-coded:

Blue frame: Camera connection OK, no motion detected

Red frame: Camera connection OK, motion detected or recording has started

Yellow frame: Camera network connection interrupted

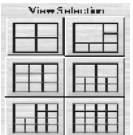
Note:

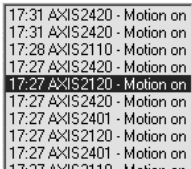
The background service retrieves images from the connected cameras and stores them to hard disk. From the AXIS Camera Station you can start or stop the background service, click **File | Administration | Start Server** or **Stop Server**.

That the service is running is shown by a flashing green indicator in the upper right of the window. A flashing red indicator means the service is stopped. It is also shown by a flashing green task bar icon in the lower corner of the window, a flashing red indicator means the service is stopped and a flashing yellow taskbar icon indicates that the service is starting up.

Recording is only possible if the background service is running, and will continue even after logging out from the PC where AXIS Camera Station is installed.

AXIS Camera Station Control Buttons

View Selection 	Select a view and you will get a window showing live images directly from the camera.
No Live Images 	Click the No Live Images button to close the camera windows. Showing live images in the main window uses a lot of processor power. Not displaying live images reduces the amount of processor power required by the service, whilst not affecting recordings in any way. The amount of bandwidth required is also less when not showing live images. In the Views section of the Administration pages it is possible to set up the system so that it always starts in this mode
Select Camera 	Select a camera to be shown in a new window. Choose this if you want to close the view windows (and thus save on processor power) but still want a single camera view visible on your desktop.
Monitoring I/O 	When clicking this button, the I/O Status of all units are displayed. Monitoring I/O defines when events, such as an alarm or motion detection, should be triggered. Each I/O is shown on one line, along with a colored indicator: • green indicator means the I/O is in its normal state • red indicates that the I/O is active, recording in progress • yellow means there is no communication with the I/O Buttons for starting and stopping an I/O output are also shown.
Camera sequence 	Click to open the Camera sequence window. A camera sequence is a pre-defined "camera tour" i.e. a configuration that automatically switches through all of the cameras included in the tour. Select the camera sequence to view from the drop-down list.

Recorded Events 	Here you can search through recorded events. Select a date, a time and press the search button and you will get an overview of all the recorded events. Select one of the events and you will see the actual images in the selected event.
4 camera playback 	Here you can search through recorded events from four cameras simultaneously. Select a date, a time and you will get an overview of all the recorded events. To display recorded events from four cameras, click the 4-camera playback button. A new window will open, showing images from the recorded files.
Alarm List 	The alarm list shows all of the alarms and other events in the server. Click on an alarm to open the event.

Pan/Tilt/Zoom and Audio controls

These controls are only visible if the connected camera has PTZ capability or a connected audio module. Choose a camera from the drop-down list for the controls to appear.

Pan/Tilt/Zoom controls	Click on the controls to steer the camera around. You can also click on the images to move the camera. (This feature is only available on some PTZ cameras).
Audio controls	If the camera is equipped with audio capability, the controls are shown here.

All configuration of Axis network cameras and video servers is done from the **Administration** part of the program. From AXIS Camera Station, click **File | Administration** to access the different tabs.

AXIS Camera Station Client software

The AXIS Camera Station Client application is used for remote operations on client workstations, where you can perform the same tasks as from AXIS Camera Station.

Install AXIS Camera Station client software

1. From the client workstation, insert the CD and select **Software** then **AXIS Camera Station Client**.
2. Click **Open** to launch the installation.

You may be prompted to install .NET Framework 1.1. Simply follow the installation Wizard's instructions and click your way through.

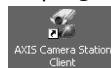
Important!

You may be prompted and then automatically redirected to <http://windowsupdate.microsoft.com> to locate and install these missing Windows components:

- Windows 2000 Service Pack 4, located here:
<http://www.microsoft.com/windows2000/downloads/servicepacks/>
- Windows Internet Explorer 6, located here:
<http://www.microsoft.com/windows/ie>

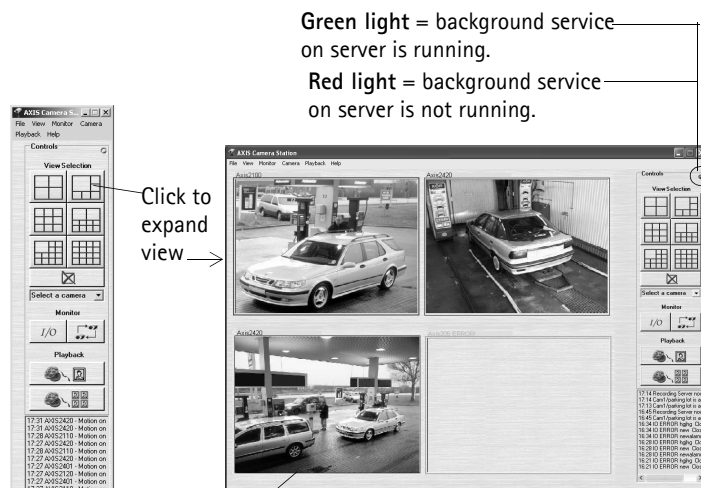
Install the missing components, see your Windows documentation for instructions. When this is done, reboot your computer and then restart the AXIS Camera Station Client installation by clicking **AXIS Camera Station Client setup.exe** on the CD.

3. Next, you will be asked where to install the program. If nothing is specified, the program is normally installed here:
C:\Program Files\Axis Communications\AXIS Camera Station Client
4. Click your way through the Installation Wizard. When you are finished, open AXIS Camera Station Client from **Start | Program Files** or click the program icon on the desktop:



5. Click **File | Connection...** to complete the installation.

AXIS Camera Station Client interface



See the online Help pages or the User's Manual for more information. The User's Manual is available on the product CD and on www.axis.com

AXIS Camera Station Web application

A web browser can be used on client workstations to view cameras and perform simple operations, such as review or playback recordings.

Once the service has been activated by the Administrator from AXIS Camera Station's administration pages, clients can access the camera views from a browser by typing `http://server IP address/VideoWeb` in the Address field

Example: `http://10.13.6.128/VideoWeb`



See the online Help pages or the User's Manual for more information. The User's Manual is available on the product CD and on www.axis.com